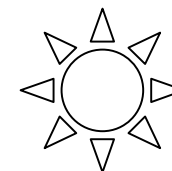
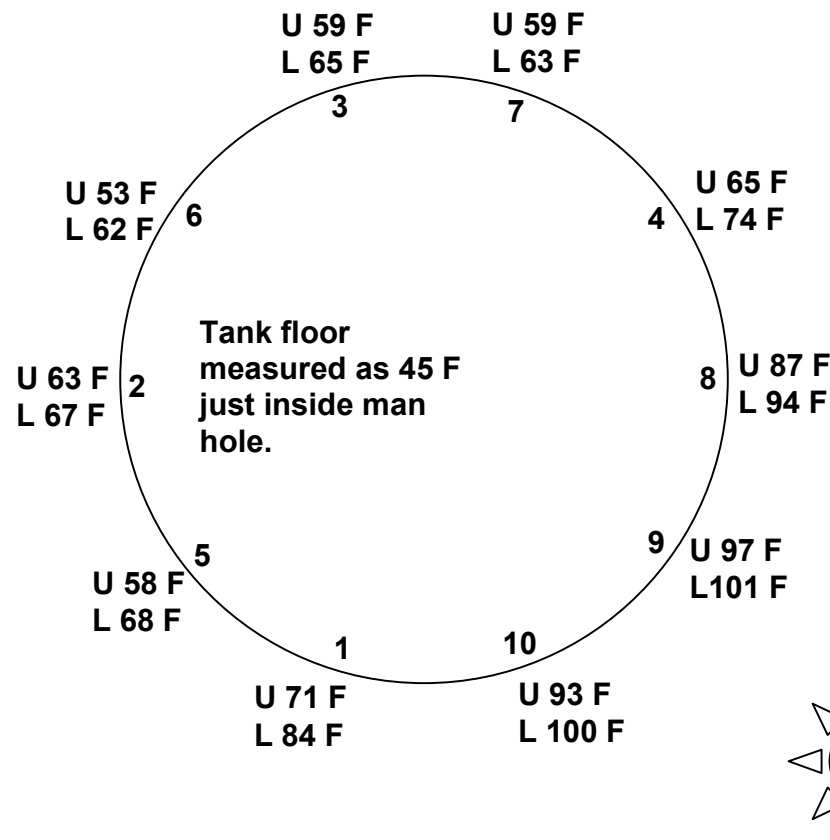


Tank temperature measurements recorded at 2:15 PM on 4/27/06.

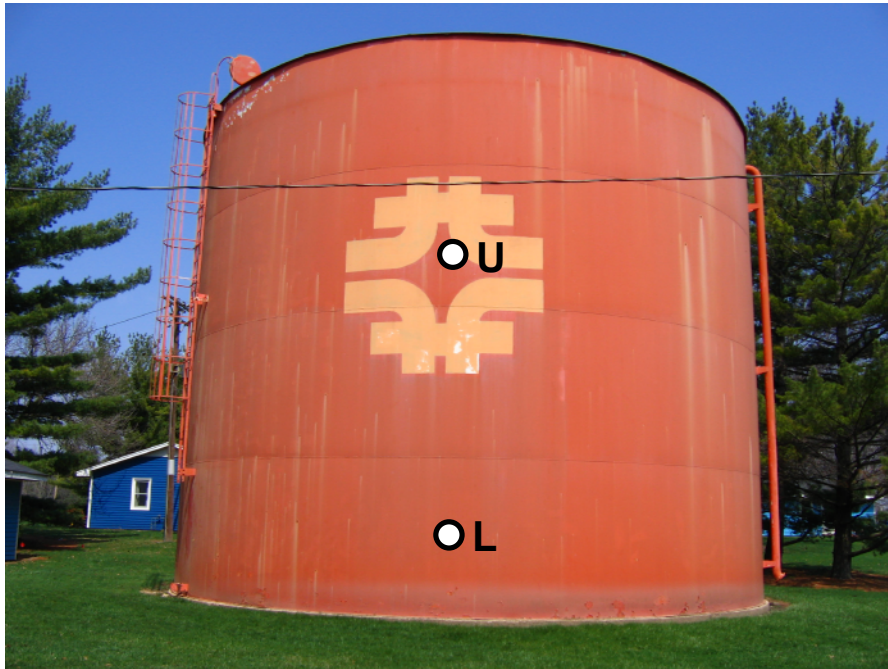
Temperatures were recorded at 10 equidistant points around the tank circumference. Temperatures were recorded at two elevations. The lower elevation was the center of the lowest steel plate band (L). The higher elevation (U) corresponds to the center of the band that comprises the $\frac{3}{4}$ portion of the tank height.

Ambient conditions measured as 72 F in the shade with 26% RH using a handheld Omega meter. Weather.com reports wind as NNW at 12 mph with gusts to 19 mph. Skies were clear.

Tank wall temperatures measured with an infrared thermometer with +/- 4 F accuracy & 1% of reading repeatability (DeltaTRAK model 15003 borrowed from ES&H).



Sun position relative to tank.



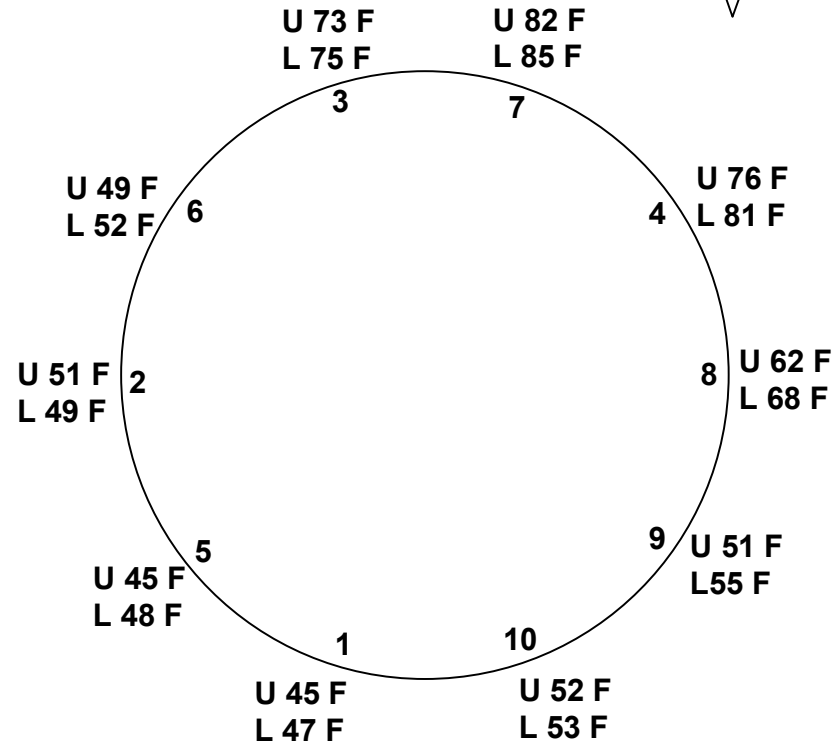
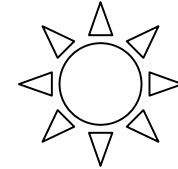
Tank temperature measurements recorded at 9:35 AM on 4/28/06.

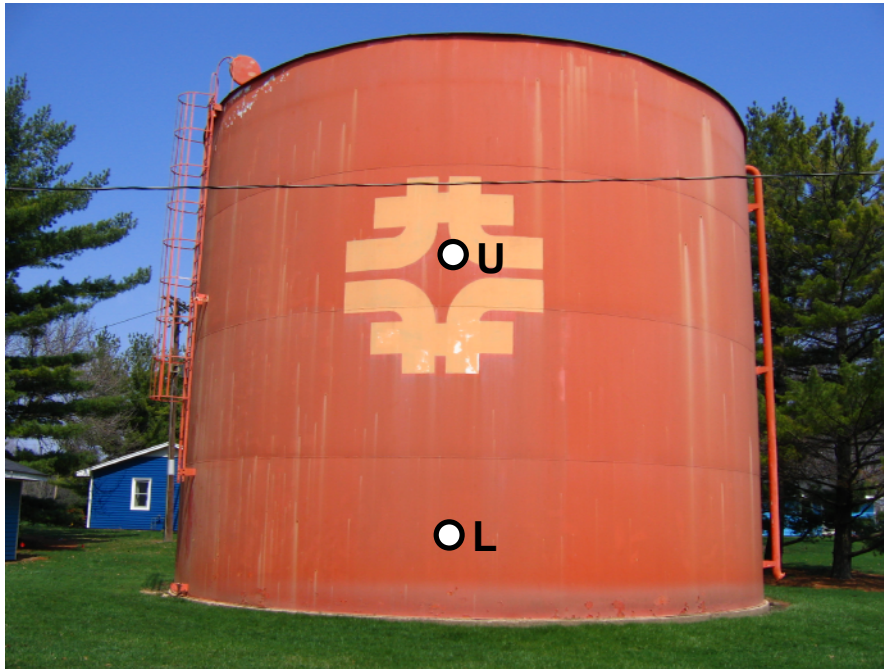
Temperatures were recorded at 10 equidistant points around the tank circumference. Temperatures were recorded at two elevations. The lower elevation was the center of the lowest steel plate band (L). The higher elevation (U) corresponds to the center of the band that comprises the $\frac{3}{4}$ portion of the tank height.

Ambient conditions measured as 61 F in the shade with 40% RH using a handheld Omega meter. Accuweather.com reports wind as SE at 13 mph. Skies were clear.

Tank wall temperatures measured with an infrared thermometer with +/- 4 F accuracy & 1% of reading repeatability (DeltaTRAK model 15003 borrowed from ES&H).

Sun position relative to tank.





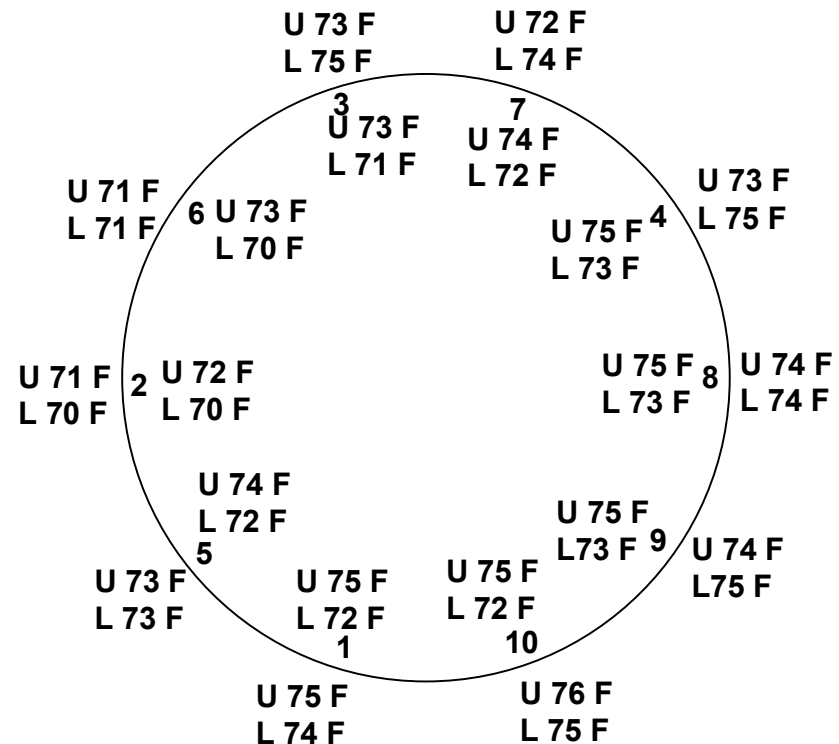
Tank temperature measurements recorded at 2:10 PM on 5/8/06.

Temperatures were recorded at 10 equidistant points around the tank circumference both *inside* and *outside*.

Temperatures were recorded at two elevations. The lower elevation was the center of the lowest steel plate band (L). The higher elevation (U) corresponds to the center of the band that comprises the $\frac{3}{4}$ portion of the tank height.

Ambient conditions measured as 75 F in the shade with 37% RH using a handheld Omega meter. Accuweather.com reports wind as SSW at 12 mph. Skies were *cloudy*.

Tank wall temperatures measured with an infrared thermometer with +/- 4 F accuracy & 1% of reading repeatability (DeltaTRAK model 15003 borrowed from ES&H).



At position #9 the temperature was measured at the surface with a thermocouple both inside and outside the tank. The thermocouple indicated 76 F at both locations.

Likely the emissivity of the outside and inside tank surfaces differ which leads to an indicated temperature difference. A more sophisticated infrared device would allow for adjustable emissivity.

Tank internal air temperature measured as 76 F with 47% RH.